



IPW

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

4

Application Number

10/724,996

Filing Date

December 01, 2003

First Named Inventor

Hils, Andreas

Art Unit

2825

Examiner Name

Siek, Vuthe

Attorney Docket Number

03-0352

### ENCLOSURES (Check all that apply)



Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)



Reply to Missing Parts/  
Incomplete Application



Reply to Missing Parts  
under 37 CFR 1.52 or 1.53



Drawing(s)



Licensing-related Papers



Petition



Petition to Convert to a  
Provisional Application



Power of Attorney, Revocation  
Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_

☐ Landscape Table on CD



After Allowance Communication to TC



Appeal Communication to Board  
of Appeals and Interferences



Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)



Proprietary Information



Status Letter



Other Enclosure(s) (please identify  
below):

1. Copy of Cited References

2. Return Postcard

Remarks

- IDS Filing

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

LSI Logic Corporation

Signature

Printed name

Timothy R. Croll

Date

22 FEB 06

Reg. No.

36,771

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

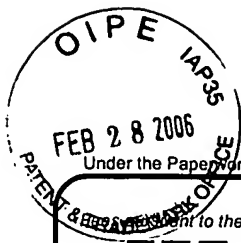
Mark Salvatore

Date

2-24-06

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (01-06)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL**  
**For FY 2006**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 180.00**Complete if Known**

Application Number 10/724,996

Filing Date December 01, 2003

First Named Inventor Hils, Andreas

Examiner Name Siek, Vuthe

Art Unit 2825

Attorney Docket No. 03-0352

**METHOD OF PAYMENT** (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 12-2252 Deposit Account Name: LSI Logic Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION** (All the fees below are due upon filing or may be subject to a surcharge.)**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     |                |

**2. EXCESS CLAIM FEES****Fee Description**

| Fee (\$)   | Small Entity Fee (\$) |
|--|-----------------------|
| Each claim over 20 (including Reissues)            | 50                    |
| Each independent claim over 3 (including Reissues) | 200                   |
| Multiple dependent claims                          | 360                   |

|                          |              |          |               |
|--------------------------|--------------|----------|---------------|
| Total Claims             | Extra Claims | Fee (\$) | Fee Paid (\$) |
| _____ - 20 or HP = _____ | x _____      | = _____  |               |

HP = highest number of total claims paid for, if greater than 20.

|                         |              |          |               |
|-------------------------|--------------|----------|---------------|
| Indep. Claims           | Extra Claims | Fee (\$) | Fee Paid (\$) |
| _____ - 3 or HP = _____ | x _____      | = _____  |               |

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

|                     |              |  |          |               |
|---------------------|--------------|--|----------|---------------|
| Total Sheets        | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
| _____ - 100 = _____ | / 50 = _____ | (round up to a whole number) x _____             | = _____  |               |

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): IDS Filing

180

**SUBMITTED BY**

|                   |                         |  |                          |
|-------------------|-------------------------|--|--------------------------|
| Signature         | <i>Timothy R. Croll</i> | Registration No. (Attorney/Agent) 36,771 | Telephone (408) 433-7625 |
| Name (Print/Type) | Timothy R. Croll        | Date                                     | 22 FEB 06                |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of :**

Andreas Hils et. al.

**Serial No. :** 10/724,996

**Filed :** December 01, 2003

**For:** Integrated Circuits, and Design and  
Manufacture Thereof



§ § § § § § § § § § § § § § § §


**Group Art Unit :** 2825

**Examiner :** Siek, Vuthe

**Atty Docket :** 1496.00327 / 03-0352

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date below:

**Mark Salvatore**

February 21, 2006   
Date Signature

03/01/2006 HTECKLU1 00000025 122252 10724996

01 FC:1806 180.00 DA

## **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached form, copies of which are attached, may be material to examination of above-identified application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR 1.56 and 1.97.

It is requested that the information disclosed herein be made of record in the application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

If it is determined that any additional fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 12-2252.

LSI Logic Corporation  
1621 Barber Lane, MS D-106  
Milipitas, CA 95035  
408-433-7475

408-433-7473  
Date: 22 FEB 06

Respectfully submitted,

25th Feb

**Timothy Croll**

Reg. No. 36,771



# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

## Complete if Known

|                      |                      |
|----------------------|----------------------|
| Application Number   | 10/724,996           |
| Filing Date          | December-01, 2003    |
| First Named Inventor | Andreas Hils         |
| Group Art Unit       | 2825                 |
| Examiner Name        | Vuthe Siek           |
| Attorney Docket No.  | 1496.00327 / 03-0352 |

Sheet

1

of

1



## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate),<br>title of the item (book, magazine, journal, serial, symposium, caalog, etc.), date,<br>page(s), volume-issue number(s), publisher, city and/or country where published. | T |
|----------------------|-------------|--|---|
|                      |             | "Submicron CMOS Gate Array", IBM Technical Disclosure Bulletin, Volume 33, No. 3B, August 1990, pages 129-131  |   |
|                      |             | "An Integrated Design Flow for a Via-Configurable Gate Array", Ran et al., Computer Aided Design, 2004, ICCAD-2004, IEEE/ACM International Conference, November 7-11, 2004, pages 582-589  |   |
|                      |             | "Structured ASICs: Opportunities and Challenges", Zahiri, Proceedings 2003 IEEE International Conference on Computer Design: VLSI in Computers and Processors, ICCD 2003, October 13-15, 2003, pages 404-409   |   |

Examiner  
signature

Date  
considered